



DEPARTMENT OF PUBLIC WORKS

205 Lawrence St NE

P.O. Box 609

Marietta, GA 30061-0609

(770) 794-5650

Fax (770) 794-5585

**Atherton Square; PI 0010703
Addendum #1
September 23, 2016**

Note: Sealed bids will be received by the City of Marietta until 11:00a.m. on Wednesday, September 28th, 2016. When submitting bid, utilize updated unit price sheet included in addendum. Acknowledgement of Addendum #1 is required in bid submittal.

Installation of the Welcome Sign, mentioned at the pre-bid meeting, will be handled through a separate contract. A line item is not provided in this project bid.

Landscape

1. All trees will be bought by the City. Contractor is to install trees.
2. Existing magnolia marked to be saved at the back of the Dance Studio will now be removed. A new tree will be installed in its place.

Irrigation

1. A sleeve will need to be added to connect to the planter where the existing magnolia was located.
2. Irrigation to be designed by the contractor and approved by the City prior to installation. Specifications for the Irrigation system are attached to this addendum.
3. Sleeving and irrigation will be priced as a lump sum.
4. Be sure to note location of irrigation controller and need for power.

Signs

1. The contractor is responsible for the decorative sign poles and frames only. The City will install the directional signs in the frames/ on the poles.

Estimated date for ground breaking is the second week in January 2017.

Submitted questions:

1. Is a General Contractor's license required for this project?

Yes. In addition, all contractors working on the project need to be registered contractors with the Office of Bidding Administration, if the work is under 2 million dollars. The registration process takes approximately 14 days and must be in place prior to breaking ground.

2. Can you provide the schedule of deliveries for the tenants so we can plan and phase the project accordingly?

Schedule provided. See attached.

3. What permits will be required to be obtained by the contractor?

Site development and building permit have been obtained or is in process. All other permits will be required to be obtained by the contractor.

4. Do you have the name of the fence/guardrail vendor who can provide the fence/guardrail as detailed on page 38-02 (detail B) and 38-05 (details C and D)?

Contractor is responsible for vendor.

5. Can you provide a construction detail of the existing paver sections to help understand the scope in regards to demolition? i.e What is below the pavers being demolished?



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We have no sections available of existing paving.

6. Are you going to issue changes to the drawings to show the new limits of work at Mill St.?

The work limit is the concrete band at sidewalk between existing building corners on alley.

7. Are you going to modify the drawings to show the requirements for the irrigation system and if it is to be a design-build task?

See note above regarding irrigation.

8. What is the address of the public works complex to be used to store salvaged/reused material?

The Public Works Complex is located at 725 North Marietta Parkway, Marietta.

9. What are the insurance requirements set forth by the railroad?

CSX Insurance requirements are attached.

10. Previous projects for the City, the City has provided the bricks to be installed as pavers. Can you confirm that the contractor is to purchase the new pavers for this project? Does the city require additional pavers to be purchased for turnover to the city for stock purposes? If so, please specify type and quantity.

The City will provide all pavers. No purchase of pavers for re-stocking is required. The contractor is responsible for loading and transportation of pavers (and all salvageable materials for storage) to/ from the Public Works storage yard.

11. The bid schedule lists Silva Cells (128 each) for line item 708-1000. I cannot find this anywhere on the plans nor do I have any specifications on it. Could you forward me a copy of the specs for this project or details on the Silva Cells?

Refer to details on sheet 38-02. Reference the Silva Cell online for further specification information.

12. In reference to the Pricing Sheet, please clarify Items 163-0529 thru 0550. It is not clear what these items are referencing.

These are erosion control items.



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Atherton Square; PI 0010703
Pre-Bid Meeting
September 12, 2016
9 a.m.

Note: update provided to Incentive.

- Mandatory Pre-Bid Meeting
- Transportation Enhancement (TE) Funds
- DBE Goal of 14%
- Davis Bacon wage rates apply and it is the contractor's responsibility to make sure they are using the most current rates.
- Project Description
 - Location off square – a lot of pedestrian traffic
 - Stormwater, hardscape elements, landscaping, lighting, Welcome Center Renovations
 - Scope of work – Mill Street is already complete. New limit of work will be the concrete band at the end of the alley. Quantities will be updated.
 - Silva Cell system around the trees in the plaza. An Alternate will be added to the bid to provide structural soil instead.
 - Time line Panels – installation only, design provided by others
 - Welcome Center – necessary support needed for new sign. Aho & Barbat will install. *Currently not in bid. This will be handled through additional services.*
 - Art element installation – Sculpture, Iron gateways at each end of McNeel Alley, Graphic Panels. *Currently not in bid. Additional services may be added during contract for installation if elements are complete and ready for installation.*
- CSX
 - There is work in the CSX right of way.
 - Contractor's insurance - \$5 million required by CSX
 - Will be reviewed by CSX for approval and must meet requirements described in Special Provisions for the Protection of Railroad Interests. Refer to Exhibit F; these provisions will be included in the addendum.
 - Project Schedule must be shared with CSX in order for them to schedule flagging.
 - Submittals will need to be reviewed by CSX
- Traffic Control
 - Maintain access to buildings – Coordination with City
 - Maintain access for deliveries – Coordination with City
- Erosion Control Plans – updated and will be attached to the addendum.
- ~~Incentive for early completion of this project. (\$500/ day up to \$15,000.)~~ **Update on Incentive**
 - **Site construction incentive: 5% of site construction cost completed the earliest of 100 days or by April 7th, 2017.**
 - **Welcome Center incentive: 5% of welcome center construction cost completed the earliest of 60 days or by March 9th, 2017.**
 - **Anticipated NTP by January 9th, 2017.**
- Irrigation – sleeving plan is in construction set. Contractor to design irrigation system, have it approved by City, then install.
- Testing will be completed through 3rd party, not the contractor.



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- Last day for Questions; Tuesday, September 20th at noon.
- Bids are due; Wednesday, September 28th at 11:00 a.m.

Address	Business	Business type	Spoke to	Hours of Operation							Do your delivery trucks typically park on McNeel Alley? If so, when do you typically receive deliveries?	Any other access concerns related to McNeel Alley or Atherton Square?
				Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday		
49 West Park - 1st floor	Georgia Dance Conservatory	Entertainment/Education	Billy Toups (owner)	10AM - 8PM	10AM - 8PM	10AM - 8PM	10AM - 8PM	4pm - 7:30PM	9:30am - 12:30pm	Closed	Few deliveries, but can come through front.	Rear door is primary entrance/exit.
45 West Park -1st floor	Piastra	Restaurant	Greg (co-owner)	Closed	5PM - 9PM	5PM - 9PM	11AM–2:30PM 5–9PM	11AM–2:30PM 5–10PM	11AM–2:30PM 5–10PM	5PM - 9PM	Large delivery truck comes Tuesdays between 10AM & 4PM with smaller deliveries everyday.	-
37 West Park -1st floor	Brumby Chair Co.	Retail/Manufacturing	Paul Herrington (production manager)	Closed	10AM - 5PM	10AM - 5PM	10AM - 5PM	10AM - 5PM	10AM - 5PM	Closed	irregular deliveries; possible through front with exception of large delivery between Nov and Jan	-
33 West Park -1st floor	Lizards & Lollipopz	Retail	Stacy Smith (owner)	10:30AM - 6PM	10:30AM - 6PM	10:30AM - 6PM	10:30AM - 6PM	10:30AM - 6PM	10:30AM - 6PM	1PM- 5PM	irregular deliveries through parcel service primarily though front door.	keep as many parking spaces as possible
29 West Park -1st floor	Hemingways	Restaurant	Amanda	Closed	11:30AM- 11PM	11:30AM- 11PM	11:30AM- 11PM	11:30AM- 12PM	11:30AM- 12PM	11:30AM- 8PM	large trucks Tuesdays & Fridays between 9AM and 3PM	-
25 West Park- 1st floor	dK Gallery	Art gallery	Emily Ryals	10AM - 6PM	10AM - 6PM	10AM - 6PM	10AM - 6PM	10AM - 6PM	10AM - 6PM	Closed	irregular deliveries; either artists dropping off paintings or customers picking them up; can be done through front assuming parking	-
21 West Park -1st floor	Tiny Bubbles Tea & Gifts	Gift store/tea and coffee shop	Felecia (Co-owner)	10AM - 10PM	10AM - 10PM	10AM - 10PM	10AM - 10PM	10AM - 10PM	10AM - 10PM	11AM - 9PM	Deliveries Wednesdays between 11 - 3 but vendor and delivery schedule may change by January; possible use front; mostly has small deliveries from car	-
21 West Park -2 nd Floor	The Vineyard Café	Restaurant	Betty Bray (co-owner)	11AM - 3PM	11AM - 3PM	11AM - 3PM	11AM - 3PM	11AM - 4PM	11AM - 4PM	11AM - 3PM	Yes; The day varies each week and the time is usually around 9:30 am for deliveries via large delivery truck (not semi).	The real issue we will have is that we have large parties on weekends (bridal and baby showers mostly) and our guests use the alley door to drop off decorations. (1 personal vehicle typically) Could use front, but never parking.
15 West Park -1st floor	Doodlebugz	Retail	Stacy Smith (owner)	10:30AM - 6PM	10:30AM - 6PM	10:30AM - 6PM	10:30AM - 6PM	10:30AM - 6PM	10:30AM - 6PM	1PM-5PM	No; we use front door.	keep as many parking spaces as possible
13 West Park - 2nd Floor	Bayhawk Asset Management	Office		-	-	-	-	-	-	-	Doesn't use rear	-
9 West Park -1st floor	Hamilton Jewelers	Retail	Beau (co-owner)	11AM - 6PM	11AM - 6PM	11AM - 6PM	11AM - 6PM	11AM - 6PM	11AM - 6PM	Closed	Typically enter through rear, but can easily use front.	-
18 Whitlock Avenue - 1st floor	GWTW	Entertainment/attraction	Connie Sutherland	10AM - 5PM	10AM - 5PM	10AM - 5PM	10AM - 5PM	10AM - 5PM	10AM - 5PM	Closed	Only caterers when space is rented out; currently, no rentals scheduled for that time.	-
4 Depot Street - 1st floor	Welcome Center	Office	Katie Peterson	9AM - 5PM	9AM - 5PM	9AM - 5PM	9AM - 5PM	9AM - 5PM	10AM - 4pm	1PM - 4PM	Yes, but smaller, UPS sized trucks periodically. Frequency increases in April as we approach Taste of Marietta.	Logistics for relocating part of office during construction

EXHIBIT F

INSURANCE REQUIREMENTS

I. Insurance Policies:

City and Contractor, if and to the extent that either is performing work on or about CSXT's property, shall procure and maintain the following insurance policies:

1. Commercial General Liability coverage at their sole cost and expense with limits of not less than \$5,000,000 in combined single limits for bodily injury and/or property damage per occurrence, and such policies shall name CSXT as an additional insured.
2. Statutory Worker's Compensation and Employers Liability Insurance with limits of not less than \$1,000,000, which insurance must contain a waiver of subrogation against CSXT and its affiliates [if permitted by state law].
3. Commercial automobile liability insurance with limits of not less than \$1,000,000 combined single limit for bodily injury and/or property damage per occurrence, and such policies shall name CSXT as an additional insured.
4. Railroad protective liability insurance with limits of not less than \$5,000,000 combined single limit for bodily injury and/or property damage per occurrence and an aggregate annual limit of \$10,000,000, which insurance shall satisfy the following additional requirements:
 - a. The Railroad Protective Insurance Policy must be on the ISO/RIMA Form of Railroad Protective Insurance - Insurance Services Office (ISO) Form CG 00 35.
 - b. CSX Transportation must be the named insured on the Railroad Protective Insurance Policy. The address should be listed as:

CSX Transportation, Inc.
500 Water Street - C907
Jacksonville, FL 32202
 - c. Name and Address of Contractor and City must be shown on the Declarations page.
 - d. Description of operations must appear on the Declarations page and must match the Project description, including project or contract identification numbers.
 - e. Authorized endorsements must include the Pollution Exclusion Amendment - CG 28 31, unless using form CG 00 35 version 96 and later.
 - f. Authorized endorsements may include:
 - (i) Broad Form Nuclear Exclusion - IL 00 21
 - (ii) 30-day Advance Notice of Non-renewal or cancellation
 - (iii) Required State Cancellation Endorsement

(iv) Quick Reference or Index - CL/IL 240

g. Authorized endorsements may not include:

- (i) A Pollution Exclusion Endorsement except CG 28 31
- (ii) A Punitive or Exemplary Damages Exclusion
- (iii) A "Common Policy Conditions" Endorsement
- (iv) Any endorsement that is not named in Section 4 (e) or (f) above.
- (v) Policies that contain any type of deductible

5. All insurance companies must be A. M. Best rated A- and Class VII or better.

6. Such additional or different insurance as CSXT may require.

II. Additional Terms

1. Contractor must submit the original Railroad Protective Liability policy, Certificates of Insurance and all notices and correspondence regarding the insurance policies to:

insurancedocuments@csx.com with a copy to Mr. Charles Wright, ARCADIS at
Charles.Wright@arcadis-us.com.

2. Neither City nor Contractor may begin work on the Project until it has received CSXT's written approval of the required insurance.

DESIGN BUILD IRRIGATION SPECIFICATIONS:

General

- a. The irrigation contractor shall furnish the design as well as provide all labor, materials, equipment and services necessary for the installation of the landscape irrigation system specified below.
- b. The construction of the sprinkler system shall include the furnishing, installing, and testing of all mains, laterals, risers and fittings, sprinkler heads, gate valves, control valves, controllers, electric wire, controls, backflow preventers, enclosures, and other necessary specialties and the removal and/or restoration of existing improvements, excavating and backfill, and all other work in accordance with the plans and specifications a required for a complete system.
- c. The water meter will be provided and installed by the City. The contractor is responsible for installing the backflow device in a separate enclosure.
- d. It is the Irrigation Contractor's responsibility to coordinate and cooperate with the other Contractors to enable work to proceed rapidly and efficiently
- e. Upon completion of installation, furnish a record drawings showing all sprinkler heads, valves, drains, and pipelines to scale.
- f. Adjustment of the sprinkler heads and automatic equipment will be done by the Contractor, upon completion of installation, to provide optimum performance.
- g. 120 VAC electrical power supply to the controller location shall be supplied by others.

Materials

- a. All pipe shall be rigid unplasticized schedule 40
- b. All sleeves shall be installed as shown on the plans prior to subgrade and base construction
- c. All irrigation heads shall be Rainbird 1812 PRS with matching spray or stream rotor nozzles as necessary to provide head to head coverage.
- d. All valves shall be Rainbird PEB series valves. Provide a brass ball valve upstream at each valve location.
- e. The automatic controller shall be A Hunter Pro-C series (or approved equivalent) unit, located within 75' of the meter. The Controller shall include a smart –port connector and the system shall include a hand held remote control unit.
- f. A wireless rain/freeze sensor matching the controller brand shall be installed.

- g. Control wire shall be type UF, UL approved, for direct burial and shall be gauge 14 or larger for the control wire and gauge 12 or larger for common wire. Multi-strand wire is not permitted
- h. Joining of underground wires shall be made with watertight connectors in valve boxes. No splicing between boxes is acceptable
- i. All valves shall be installed in thermoplastic valve access boxes, 12x 18 jumbo or approved equivalent. Valve boxes shall include black thermoplastic locking covers. All valve boxes shall be installed on at least a two (1) cubic foot gravel base to provide foundation and drainage. All valve box elevations shall be flush with grade. No more than 1 valve shall be placed in each valve box.

Execution:

- a. Trenches for pipe sprinkler lines shall be excavated of sufficient depth for frost protection and coordination with other utilizes when applicable.
- b. Control wires installed beneath walks, drives, or other permanent surfaces shall be placed in sleeves.
- c. Irrigation heads shall be installed flush with the adjacent landscape.
- d. Leave twenty-four (24) inch loop of wire at each valve for expansion/contraction and servicing.
- e. Testing of the system shall be performed after completion of the entire installation and any necessary repairs shall be made at the Contractor's expense to put the system in good working order before final payment by the Owner.
- f. The Contractor shall furnish a certificate of warranty registration and a written guarantee of work and materials for a one year period from the date of final acceptance of the Irrigation System by the Owner and the Designer.

CONSTRUCTION PLANS FOR: ATHERTON SQUARE REVITALIZATION

CONGRESSIONAL DISTRICT II
CITY OF MARIETTA GEORGIA
COBB COUNTY

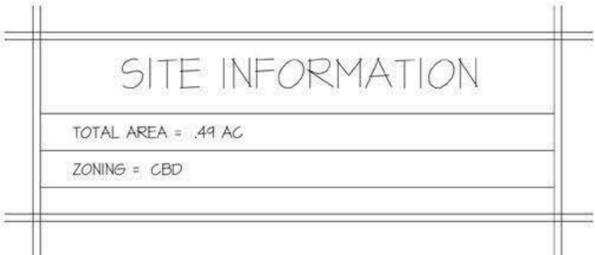
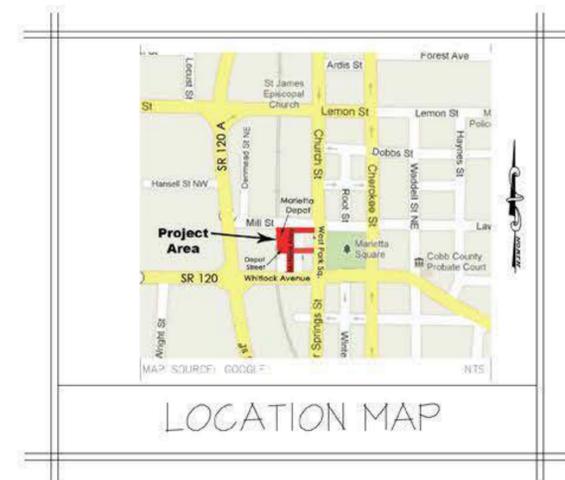
PROJECT SPONSOR: CITY OF MARIETTA
GDOT P.I. NUMBER 0010703
CS 1107/MILL ST.; CS 1322/MCNEEL ALLEY & ATHERTON SQUARE @ 3 LOCATIONS

FEDERAL ROUTE: N/A
STATE ROUTE: N/A
05-04-2016

THE APPROVAL OF THESE PLANS AND THE ISSUANCE OF THIS LAND DISTURBANCE PERMIT DOES NOT IN ANY WAY SUGGEST THAT ALL OTHER REQUIREMENTS FOR THE LEGAL OR APPROPRIATE OPERATIONS FOR THIS ACTIVITY, WHICH MAY REQUIRE ADDITIONAL PERMITTING, HAVE BEEN MET. THE OWNER IS ON THE OWNER/DEVELOPER/BUILDER TO DISCOVER WHAT ADDITIONAL PERMITTING OR APPROVALS MAY BE NECESSARY TO OPERATE FROM THIS POINT IN AN APPROPRIATE AND LEGAL MANNER. PLAN APPROVAL OR PERMIT ISSUANCE DOES NOT RELIEVE THE APPLICANT FROM COMPLYING WITH ALL APPLICABLE LAWS, STANDARDS OR OTHER PERMITS WHICH MAY BE REQUIRED FOR THIS PROJECT.

INDEX OF DRAWINGS

SHEET	TITLE
51-1	COVERSHEET
51-2	EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN
51-3	EROSION, SEDIMENTATION AND POLLUTION CONTROL NPDES NOTES
51-4	EROSION, SEDIMENTATION AND POLLUTION CONTROL NPDES NOTES
51-5	EROSION, SEDIMENTATION AND POLLUTION CONTROL DETAILS



CAUTION!

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED ABOUT THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS. THEY ARE BASED UPON RECORDS FROM THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, ACTUAL FIELD MEASUREMENTS. THIS INFORMATION IS NOT TO BE TAKEN AS EXACT NOR COMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE RESPECTIVE UTILITIES. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES WHICH MAY CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.

UTILITIES PROTECTION CENTER
1-800-282-7411

2. ALL POINTS/LINES SHOWN ON THESE DRAWINGS WERE GENERATED BY ELECTRONIC MEANS, AND ARE REPRESENTATIVE OF ACTUAL COORDINATES. IT SHALL BE THE OWNER/DEVELOPER/CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL COORDINATES ARE CALCULATED AND FIELD LOCATED.

3. BOUNDARY/TOP/O INFORMATION HAS PROVIDED BY:

PAULSON MITCHELL
85-A MILL STREET
SUITE 200
ROSNELL, GA 30075
770-650-7685

4. ALL FILL MATERIAL (SOIL) SHALL BE PLACED IN EIGHT (8) INCH "LIFTS". IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACHIEVE COMPACTION OF ALL IN-PLACE SOILS, WHETHER ON-SITE OR BORROWED. THE OWNER/DEVELOPER SHALL MAINTAIN THE RIGHT TO, AT ANY TIME, HAVE A SOILS TESTING COMPANY EXAMINE OR TEST SUCH SOILS. IF THE FIRST TEST RESULTS CONFIRM THAT THE SOILS HAVE BEEN COMPACTED TO 48% STANDARD PROCTOR, TESTING WILL BE AT THE OWNER/DEVELOPER'S EXPENSE.

IF THE FIRST TEST PROVES OTHERWISE, THEN THE MONITORING OF COMPACTION WILL BE AT NO ADDITIONAL EXPENSE TO THE OWNER/DEVELOPER. FURTHER TESTING MAY ALSO BE REQUIRED BY THE ENGINEER.

5. ALL FOOTINGS SHALL BE PLACED ON FIRM, UNDISTURBED SUBGRADE. UNDER NO CIRCUMSTANCES SHALL STRUCTURAL FOOTINGS BE PLACED ON EITHER UNCOMPACTED BACKFILL, MUCK, SATURATED SOIL, OR OTHER BURIED DECOMPOSIBLE MATERIALS.

GENERAL NOTES:

1. BITUMINOUS COATED CORRUGATED METAL PIPE (BCCMP) SHALL BE 0.004" THICK UNLESS OTHERWISE SPECIFIED. ALL BCCMP PIPE JOINTS SHALL BE BUTTED TOGETHER AND SEALED WITH APPROVED BANDS. REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS III UNLESS OTHERWISE SPECIFIED. ALL RCP SHALL HAVE "BELL & SPIGOT" JOINTS WITH "O" RING SEALS AND SHALL BE LUBRICATED PRIOR TO "MAKING UP" THE JOINTS. ALL PIPE SHALL BE PREAPPROVED BY THE CITY OF PALMETTO AND/OR THE G.A.D.O.T.

2. PIPE PLACEMENT: PROPER FACILITIES SHALL BE PROVIDED FOR THE LOWERING OF PIPE INTO THE TRENCH. PIPE SHALL NOT BE THROWN FROM THE TRUCK NOR THROWN INTO THE TRENCH. PIPE SHALL BE LAID TRUE TO LINE AND GRADE AS GIVEN.

3. BACKFILLING: FILL MATERIAL SHALL BE DEPOSITED EVENLY ON BOTH SIDES OF THE IN-PLACE PIPE IN TAMPED LAYERS NOT TO EXCEED 6" IN DEPTH, UNTIL AT LEAST 3/4 OF THE DEPTH OF THE PIPE HAS BEEN BACKFILLED. PIPE LAID IN WIDE TRENCHES/TAMPING SHALL BE ACHIEVED FOR A DISTANCE ON EACH SIDE OF THE PIPE, EQUAL TO AT LEAST ITS DIAMETER. BACKFILL MATERIAL IS TO BE COMPACTED TO A DENSITY THAT WILL SUPPORT THE DESIGN LOADINGS AND BE VERIFIED BY A SOILS ENGINEER.

CONCRETE:

1. ALL PRECAST CONCRETE SHALL BE NORMAL HEIGHT AND OBTAIN A COMPRESSIVE STRENGTH OF 4000 PSI IN 28 DAYS.

2. ALL CAST-IN-PLACE CONCRETE SHALL BE NORMAL HEIGHT AND OBTAIN A COMPRESSIVE STRENGTH OF 3500 PSI IN 28 DAYS, AND SHALL BE A MINIMUM OF 4" THICK WITH REINFORCING STEEL.

3. DRIVEWAYS SHALL BE INSTALLED PER CITY OF PALMETTO AND/OR G.A.D.O.T. STANDARD DETAILS.

REINFORCING STEEL: (10 GAUGE - 6" x 6" HWF)

1. REINFORCING STEEL SHALL CONFORM TO THE LATEST STANDARDS OF ASTM A615, GRADE 60. 2. ALL STEEL SHALL BE DETAILED, FABRICATED, AND PLACED ACCORDING TO THE LATEST STANDARDS OF THE AMERICAN CONCRETE INSTITUTE.

ASPHALT PAVING:

1. ALL PAVEMENT SHALL BE ACCORDING TO THE CITY OF PALMETTO AND/OR G.A.D.O.T. STANDARDS AND SPECIFICATIONS, AND SHALL BE INSTALLED AT NO LESS THAN THE THICKNESSES SPECIFIED.

EROSION CONTROL NOTES:

1. SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171 TEMPORARY SILT FENCE OF THE G.A.D.O.T. STANDARD SPECIFICATIONS, CURRENT EDITION.

2. ADDITIONAL EROSION CONTROL MEASURES SHALL BE EMPLOYED WHERE IT IS DETERMINED NECESSARY BY ACTUAL FIELD CONDITIONS.

3. PROVISIONS TO PREVENT EROSION OF SOIL FROM THE SITE SHALL BE, AT A MINIMUM, IN CONFORMANCE WITH THE REQUIREMENTS OF THE EROSION AND SEDIMENTATION ACT OF 1970, REVISED 1982.

4. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE.

5. THE CONSTRUCTION EXIT (CO) SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO THE PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMAND AND REPAIRS AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIAL SPILLED, DROPPED, WASHED, OR TRACKED FROM THE VEHICLE OR SITE, ONTO THE PUBLIC ROADWAY OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

6. PRIOR TO COMMENCING ANY LAND DISTURBANCE ACTIVITIES, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, REEBONS, OR BY OTHER APPROPRIATE MEANS. THE LOCATIONS AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL OCCUR WITHIN THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS, ONLY.

7. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCES/EXITS, ALL PERIMETER EROSION CONTROL AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTAINING SILT WITHIN THE BOUNDARIES OF THE PROPERTY.

9. THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT ENOUGH TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UP-STREAM GRADING WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADWAYS/DRIVEWAYS HAVE BEEN PAVED.

10. EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY GROUND DISTURBANCE ACTIVITIES.

THE LOCATION OF SOME OF THESE DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS, IF DURING CONSTRUCTION, THE DRAINAGE PATTERNS DIFFER FROM THE FINAL PROPOSED DRAINAGE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES OF CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.

11. ALL SILT BARRIERS MUST BE PLACED PRIOR TO CLEARING. NO GRADING SHALL BE ATTEMPTED UNTIL SILT BARRIER INSTALLATION AND OUTLET STRUCTURE CONSTRUCTION IS COMPLETE.

12. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT LEAST DAILY AND AFTER EACH RAIN, TO ENSURE THESE DEVICES ARE FUNCTIONING PROPERLY.

13. THE CONTRACTOR SHALL REMOVE SILT, WHEN THE SILT IS HALF TO THE TOP OF THE SILT FENCE.

14. FAILURE TO INSTALL, OPERATE, AND MAINTAIN ALL EROSION CONTROL MEASURES PROPERLY, WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOBSITE, UNTIL SUCH MEASURES ARE CORRECTED.

15. ALL CONSTRUCTION SHALL CONFORM TO THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.

16. SILT BARRIERS SHALL BE PLACED AT ALL DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES.

17. ALL OPEN SHALES MUST BE STABILIZED WITH GRASS, AND RIP-RAP MUST BE PLACED AS REQUIRED TO CONTROL EROSION. STONES FOR RIP-RAP SHALL CONSIST OF ROUGH UNWEDED QUARRY GRANITE, AS NEARLY IN RECTANGULAR SECTION AS PRACTICAL.

THE MINIMUM SIZE STONE SHALL BE 9", WITH MORE THAN 20% OF ANY LOAD HAVING A MINIMUM DIMENSION OF 12". ALL RIP-RAP SHALL WEIGH BETWEEN 75 AND 150 LBS. AND SHALL BE HAND PLACED AT ALL DOWNSTREAM HEADWALLS, AS LOOSE STONE EMBANKMENT. RIP-RAP SHALL BE PLACED IMMEDIATELY AT THE DOWNSTREAM HEADWALL UPON COMPLETION OF THE INSTALLATION OF PIPES AND DRAINAGE DITCHES.

18. ANY DISTURBED AREA TO BE LEFT EXPOSED FOR A PERIOD OF GREATER THAN 14 DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING.

19. CUT AND FILL SLOPES SHALL NOT EXCEED 2H:1V. ALL FILL SLOPES GREATER THAN 4H:1V SHALL BE COMPACTED BY CRABLER-TYPE EQUIPMENT TRAVELING UP AND DOWN THE EXPOSED FACE OF THE EMBANKMENT UNTIL COMPACTION IS ACHIEVED.

20. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION. ANY ADDITIONAL EROSION CONTROL MEASURES SHALL BE AT THE EXPENSE OF THE OWNER/DEVELOPER.

21. GRASS SEED SHALL BE APPLIED BY EITHER HYDROSEEDING AND/OR MANUAL BROADCASTER AT NOT LESS THAN THE RATES SPECIFIED BY THE G.A.D.O.T.

EXISTING UTILITIES:

1. WHILE DIGGING TRENCHES FOR DRAINAGE PIPE, SHOULD AN EXISTING UTILITY BE UNCOVERED, CARE SHOULD BE TAKEN TO MINIMIZE THE DISTURBANCE OF THIS UTILITY. IF A PIPE JOINT IS EXPOSED, THE CONTRACTOR SHALL ENGAGE THE JOINT IN CONCRETE TO MINIMIZE DEFLECTION.

24 HOUR CONTACT:

MATTHEW BEARDON
770-744-5648

GENERAL INSPECTION NOTES:

1. NOTIFY THE CITY INSPECTOR, 24 HOURS PRIOR TO CONSTRUCTION AT xxx.

2. INSTALL ALL EROSION AND SEDIMENT CONTROL PRIOR TO GRADING. CALL FOR AN INSPECTION.

3. AT THE COMPLETION OF CLEARING AND GRUBBING OF ALL AREAS WITHIN THE RIGHT-OF-WAY, CALL xxxxxx FOR AN INSPECTION PRIOR TO GRADING.

4. DURING GRADING OPERATIONS, ALL FILL AREAS SHALL BE MECHANICALLY COMPACTED WITH SHEEPS' FOOT ROLLERS, EITHER TOWED OR SELF PROPULLED.

5. ALL STORY DRAIN PIPE SHALL BE PLACED AND BACKFILLED TO THE "SPRING LINE" OF THE PIPE AND INSPECTED PRIOR TO COVERING THE PIPE. PROPER COMPACTION SHALL BE OBTAINED AROUND ALL STRUCTURES. CALL xxxxxxx AT xxx FOR AN INSPECTION.

6. PRIOR TO PLACEMENT OF CURB AND GUTTER AND GRADED AGGREGATE BASE, ALL FILL AREAS SHALL RECEIVE IN-PLACE DENSITY TESTS. THE NUMBER OF TESTS AND DEPTH SHALL BE DETERMINED. SUBGRADE COMPACTION SHALL BE 48% OF THE MAXIMUM DRY DENSITY. ALL OTHER FILL AREAS SHALL BE COMPACTED TO 48% OF THE MAXIMUM DRY DENSITY. THE SUBGRADE SHALL BE STABILIZED, PROOF ROLLED AND STRINGLINED FOR DEPTH AND CROWN. CALL xxxxxx AT xxx FOR AN INSPECTION.

7. THE BASE MATERIAL SHALL BE CORED AT INTERVALS OF 300 FEET, ALTERNATING BETWEEN TRAVEL LANES. THESE CORES SHALL BE TAKEN AT THE QUARTER POINTS OF THE TRAVEL LANES. CUL-DE-SACS SHALL BE CORED IN A TRIANGULAR PATTERN HALF-WAY TO THE RADIUS POINT. ALL BASE MATERIAL SHALL BE PROOF ROLLED AND STRINGLINED FOR THICKNESS AND CROWN.

8. ASPHALTIC CONCRETE SHALL BE TYPE "I" OR "F" WITH VERIFICATION OF THE MIX FURNISHED BY THE CONTRACTOR.

CORE SAMPLES SHALL BE TAKEN FROM THE IN-PLACE ASPHALT AT 100 FEET INTERVALS, ALTERNATING BETWEEN TRAVEL LANES AND CENTERLINE. CORE SAMPLES SHALL BE TAKEN AT THE QUARTER POINTS OF THE TRAVEL LANES, AND 20 FEET FROM THE CENTERLINE EDGE OF PAVE- IN A TRIANGULAR PATTERN IN THE CUL-DE-SACS.

9. ALL PROOF ROLLS REQUIRE A TANDEM AXLE TRUCK LOADED WITH APPROXIMATELY 11,000 POUNDS OF WEIGHT.

NETLANDS:

BASED ON FIELD OBSERVATIONS AND THE NATIONAL NETLANDS INVENTORY, THERE DOES NOT APPEAR TO BE STATE WATERS LOCATED WITHIN 200' OF THIS SITE.

10. ALL MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO CITY OF xxxxxx AND/OR OTHER APPROVED CONSTRUCTION STANDARDS AND DETAILS.

11. THE LAND DISTURBANCE PERMIT SHALL BE DISPLAYED ON-SITE AND IN PLAIN VIEW FROM A PUBLIC ROAD OR STREET AT ALL TIMES DURING CONSTRUCTION.

12. THE CONTRACTOR AND/OR OWNER/DEVELOPER SHALL NOTIFY THE INSPECTION DEPARTMENT, 24 HOURS PRIOR TO BEGINNING CONSTRUCTION OR WHEN REQUESTING INSPECTIONS AT xxx.

13. ALL CORRUGATED METAL PIPE SHALL BE FULLY BITUMINOUS COATED WITH PAVED INVERTS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING INFORMATION INDICATING GAUGE, CORRUGATIONS, ETC.

14. STREET NAME SIGNS, TRAFFIC CONTROL SIGNS AND DEVICES SUCH AS STRIPING AND SIGNALIZATION SHALL BE PROVIDED BY THE OWNER/DEVELOPER. ALL TRAFFIC CONTROL DEVICES SHALL MEET THE MUTCD, AND THE G.A.D.O.T. STANDARDS AND SPECIFICATIONS. INSTALLATION CAN BE ACCOMPLISHED BY PAYMENT OF FEES TO THE PUBLIC WORKS DEPARTMENT FOR INSTALLATION OR INSTALLATION BY THE OWNER/DEVELOPER. IN EITHER CASE, INSTALLATION AND PLACEMENT OF ALL REQUIRED SIGNS AND TRAFFIC CONTROL DEVICES SHALL BE COMPLETED PRIOR TO FINAL PLAT APPROVAL AND/OR ISSUANCE OF ANY CERTIFICATES OF OCCUPANCY FOR THE DEVELOPMENT.

FLOOD NOTE:

THIS PROPERTY DOES NOT LIE WITHIN A FLOOD PRONE AREA AS DETERMINED BY F.E.M.A. - COMMUNITY PANEL NUMBER: xxxxxxxx. MAP NUMBER: xxx. EFFECTIVE DATE: xxx.

STATE WATERS:

BASED ON FIELD OBSERVATIONS, THERE DOES NOT APPEAR TO BE STATE WATERS LOCATED WITHIN 200' OF THIS SITE.

BDG Group
Landscape Architecture
3330 Sandy Creek Road
Madison, GA 30650 PH 706-342-3217

City of Marietta
Department of Public Works
205 Lawrence Street Marietta, Georgia 30060

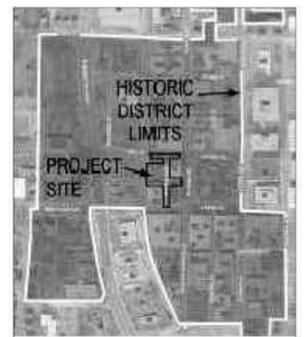
DESIGNED BY:	CHECKED BY:	DATE:
EBG	EBG	05-04-2016
DRAWN BY:	REVIEWED BY:	DATE:

DATE	REVISIONS
05-04-2016	RELEASED FOR CONSTRUCTION

Atherton Square
CS 1107/Mill St.; CS 1322 McNeel Alley and Atherton Square at 3 locations
Land Lot 1218, 16th District, 2nd Section

**EROSION SEDIMENTATION
AND POLLUTION CONTROL
COVERSHEET**

DRAWING No.
51-1



ESA-Northwest Marietta Historic District, See Environmental Resource Impacts Table in General Notes for construction restrictions.

NOTE

- SEE DETAIL SHEET FOR SEEDING DETAIL.
- ALL GRADED SLOPES 3:1 OR GREATER MUST BE HYDROSEEDING AND COVERED WITH GEORGIA DOT APPROVED WHEAT WOOD FIBER MATTING THAT HAS NOT BEEN INCORPORATED WITH SEED AND FERTILIZER MUST BE USED. ALL SLOPES MUST BE PROPERLY PROTECTED UNTIL A PERMANENT VEGETATIVE STAND IS ESTABLISHED.
 - GEORGIA DOT TYPE "C" SILT FENCE MUST BE INSTALLED WHERE SILT FENCING IS REQUIRED ON THE SITE AND A DOUBLE ROW MUST BE INSTALLED BETWEEN THE LAND DISTURBING ACTIVITIES AND STATE WATERS.
 - ALL DISTURBED AREAS MUST BE SEEDED, FERTILIZED AND MULCHED AS SOON AS FINAL GRADE IS ACHIEVED. ALSO, THESE DISTURBED AREAS MUST BE PROTECTED UNTIL PERMANENT VEGETATION IS ESTABLISHED.
 - THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
 - EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
 - INSTALL EROSION CONTROL MATS OR EQUIVALENT MATERIALS ON SLOPES EQUAL TO OR GREATER THEN 3H:1V AND 10 FT VERTICAL.
 - STATE WATERS DOES NOT EXIST WITHIN 200' OF THIS SITE.
 - ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

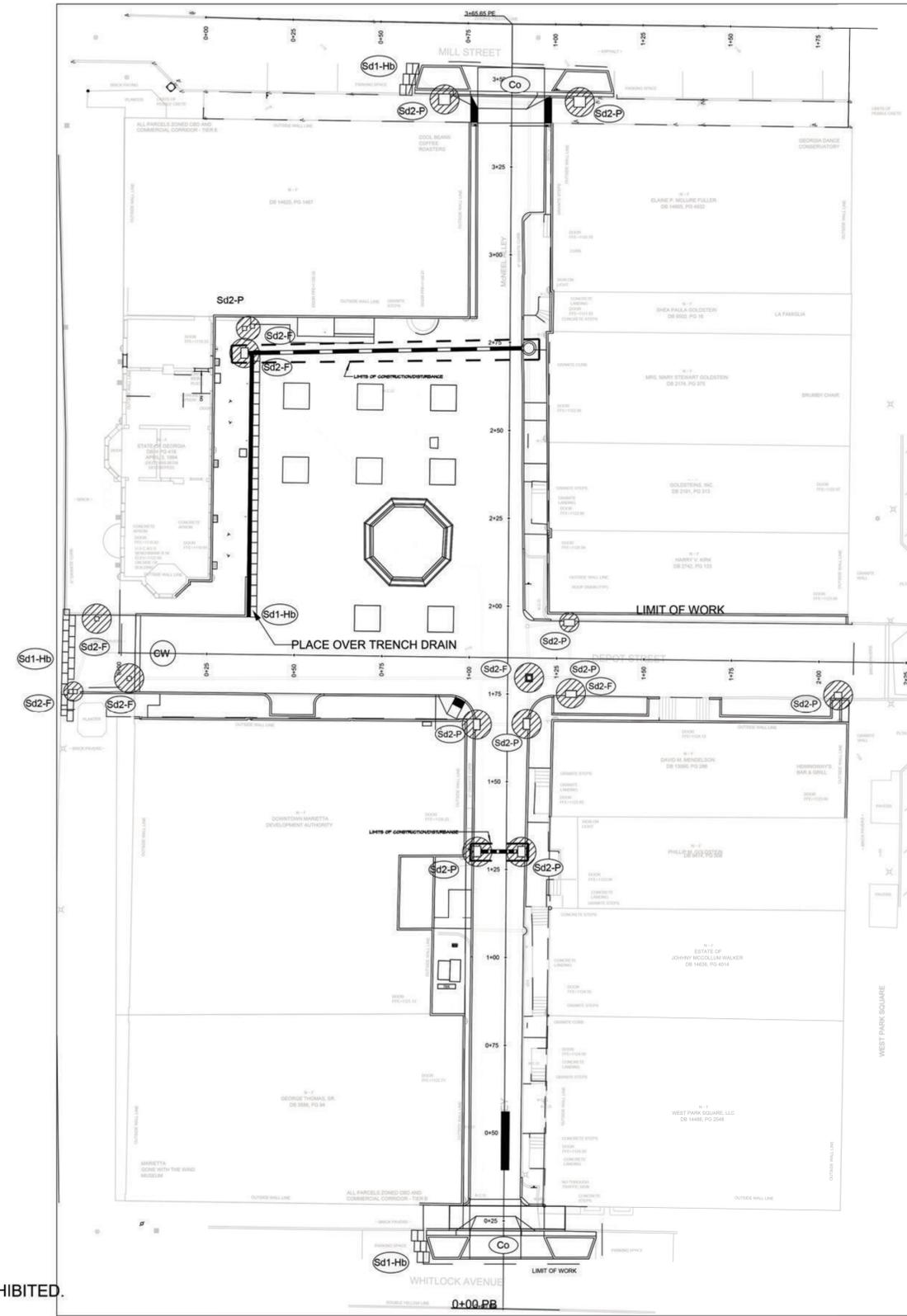
PROJECT DESCRIPTION

THE SITE IS LOCATED
 THE SITE IS APPROXIMATELY 0.49 ACRES TO BE DEVELOPED INTO A PLAZA, CONSISTING OF GRADING, STORM SEWER, AND UTILITIES.
 THE EXISTING SITE WILL BE GRADED & STABILIZED.

- DISTURBED AREAS LEFT IDLE SHALL BE STABILIZED WITH TEMPORARY VEGETATION AFTER 14 DAYS; AFTER 30 DAYS, PERMANENT VEGETATION SHALL BE ESTABLISHED.
- FOR ALL STRUCTURAL PRACTICES, SPECIFICATIONS MUST, AT A MINIMUM, MEET THE STANDARDS SET FORTH IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.

MAINTENANCE STATEMENT

*EROSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RAIN, AND REPAIRED BY GENERAL CONTRACTOR.
 *ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.
 *SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171 TEMPORARY SILT FENCE, OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, 1993 EDITION, AND BE WIRE REINFORCED.

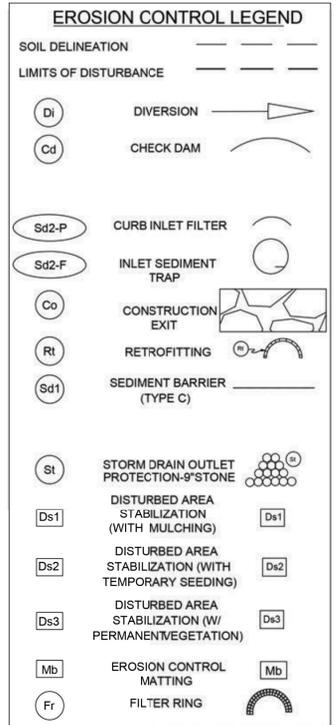


NOTE:

- WASTE DISPOSAL. SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- THIS PLAN HAS BEEN DESIGNED IN COMPLIANCE WITH APPLICABLE STATE AND LOCAL WASTE DISPOSAL AND SANITARY SEWER REGULATIONS.
- AMENDMENTS TO THE ES&PC PLAN WHICH HAVE SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

SYMBOL	SOIL NAME	ERODIBILITY	RUNOFF
xxx	URBAN SOIL	MODERATE	MEDIUM

FOR EROSION CONTROL CONSTRUCTION ONLY



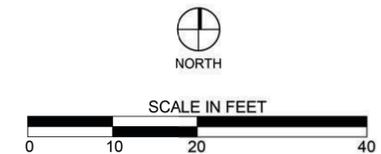
NOTE:

- WASHOUT OF THE CONCRETE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.
- DUST CONTROL MUST BE MAINTAINED AT ALL TIMES.

Du

BDG Group

Landscape Architecture
 3330 Sandy Creek Road
 Madison, GA 30650 PH 706-342-3217



City of Marietta
 Department of Public Works
 205 Lawrence Street Marietta, Georgia 30060

DESIGNED BY: EBG
 CHECKED BY: EBG
 DATE: 2016-05-04
 DRAWN BY: DG PELHAM
 REVIEWED BY:
 DATE:

DATE	REVISIONS
05-04-2016	RELEASED FOR CONSTRUCTION

Atherton Square
 CS 1107/Mill St.; CS 1322 McNeel Alley and Atherton Square at 3 locations
 Land Lot 1218, 16th District, 2nd Section

EROSION, SEDIMENTATION AND POLLUTION CONTROL

DRAWING No. **51-2**

COUNTY	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
Cobb County	P.I. 0010703	61	63

NO UNCONTROLLED WATER WILL BE ALLOWED TO FLOW ONTO ADJACENT PROPERTY, RESULTING IN ADVERSE IMPACTS ON THE LOWER PROPERTY OR EROSION /SEDIMENTATION

ALL CONSTRUCTION WITHIN THE CITY OF MARIETTA RIGHT OF WAY MUST COMPLY WITH THE AMERICANS' WITH DISABILITIES ACT (ADA) PER CITY OF MARIETTA ORDINANCE #5562.

ALL LANE STRIPPING WITH CITY RIGHT OF WAY MUST BE THERMOPLASTIC AND ALL GOSES, STOP BARS, AND TURN ARROWS MUST BE ALKYD THERMOPLASTIC PAINT.

THERE SHALL BE NO INCREASE IN FLOWS, OR COMPENSATION IN OTHER DRAINAGE AREAS, WHICH RESULTS IN AN INCREASED PEAK DISCHARGE ONTO ADJACENT PROPERTY. EACH DRAINAGE AREA LEAVING A SITE SHALL BE STUDIED AND CONTROLLED AS ABOVE.

ALL REQUIRED IMPROVEMENTS SHALL COMPLY WITH PUBLIC LAW 101-336, THE AMERICANS' WITH DISABILITIES ACT OF 1990, AS AMENDED OR MOST CURRENT ANY IMPROVEMENTS WHICH DO NOT COMPLY WITH SAID ACT SHALL BE REDONE AT THE APPLICANT'S EXPENSE AND FINAL APPROVAL OF THE PLAT SHALL NOT BE GIVEN UNTIL SUCH WORK IS COMPLETED IN COMPLIANCE WITH THE ACT. ALL PLANS SUBMITTED TO THE CITY FOR REVIEW SHALL CONTAIN A CERTIFICATE THAT SAID IMPROVEMENTS FULLY COMPLY WITH THE AMERICANS' WITH DISABILITIES ACT OF 1990, PUBLIC LAW 101-336, AS AMENDED AND THE CITY WILL RELY UPON SUCH CERTIFICATE IN APPROVING PRELIMINARY AND FINAL PLATS, AS WELL AS SITE PLANS.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FILL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL OR TREAT THE SEDIMENT SOURCE, OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR.

THE ES&PC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS, DURING THE CONSTRUCTION/LAND DISTURBANCE PERIOD. THESE ES&PC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.

THE ES&PC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.

THE ES&PC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

SILT FENCE CAN NOT BE USED TO STORE SEDIMENT. THE USE OF BASINS, SEDIMENT TRAPS AND OTHER SIMILAR BMPs IN ACCORDANCE WITH STATE LAW ARE REQUIRED.

STABILIZED CONSTRUCTION EXITS SHALL BE INSTALLED AT THE BEGINNING OF LAND DISTURBANCE AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

NO CLEARING OF THE SITE UNTIL ALL BASINS, DIVERSIONS, AND SEDIMENT CONTROLS ARE INSTALLED, STABILIZED, AND FUNCTIONAL.

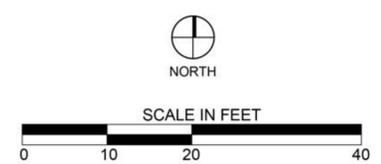
THE IMPLEMENTATION OF THIS ES&PC PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ES&PC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED PER CITY CODE.

THE ES&PC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER QUALITY STANDARDS.

AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN AN INLET/CATCH BASIN/STORMWATER MANHOLE. ALL INLET/CATCH BASIN/STORMWATER MANHOLES AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER IN DOWNSTREAM SYSTEM OR STATE WATERS.

LAND DISTURBANCE CANNOT BEGIN ON THE SITE UNTIL AFTER THE PRECONSTRUCTION CONFERENCE AND EROSION CONTROL INSPECTOR GIVES THE LDA PERMIT TO THE CONTRACTOR. PRESENT FOR THE PRECONSTRUCTION CONFERENCE SHALL BE: GENERAL CONTRACTOR, GRADING CONTRACTOR, AND OWNER. THE DESIGN PROFESSIONAL MAY BE PRESENT AT THE DIRECTION OF THE OWNER.

BDG Group
Landscape Architecture
3330 Sandy Creek Road
Madison, GA 30650 PH 706-342-3217



City of Marietta
Department of Public Works
205 Lawrence Street Marietta, Georgia 30060

DESIGNED BY: EBG	CHECKED BY: EBG	DATE: 05-04-2016
DRAWN BY:	REVIEWED BY:	DATE:

DATE	REVISIONS
05-04-2016	RELEASED FOR CONSTRUCTION

Atherton Square

CS 1107/Mill St.; CS 1322 McNeel Alley and Atherton Square at 3 locations
Land Lot 1218, 16th District, 2nd Section

EROSION, SEDIMENTATION AND POLLUTION CONTROL

DRAWING No.
51-3

(f). The samples should be kept free from floating debris.
 (g). Permittees do not have to sample sheetflow that flows onto undisturbed natural areas or areas stabilized by the project. For purposes of this section, stabilized shall mean, for unpaved areas and areas not covered by permanent structures and areas located outside the waste disposal limits of a landfill cell that has been certified by EPD for waste disposal, 100% of the soil surface is uniformly covered in permanent vegetation with a density greater, or equivalent permanent stabilization measures (such as use of rip rap, gabions, permanent mulches or vegetation shall consist of: planted trees, shrubs, perennial vines; a crop of perennial vegetation appropriate for the time of year and region; or a crop of annual vegetation and seeding of target crop perennials appropriate for the region. Final stabilization applies to each phase of construction.
 (h). All sampling pursuant to this permit must be done in such a way (including generally accepted sampling methods, locations, timing, and frequency) as to accurately reflect either storm water runoff from the construction site is in compliance with the standard set forth in Parts III.D.3. or III.D.4., whichever is applicable.
 d. Sampling Frequency.

(i). The primary permittee must sample in accordance with the Plan at least once for each rainfall event described below. For a qualifying event, samples must be taken within forty-five (45) minutes of:
 (a) the accumulation of the minimum amount of rainfall for the qualifying event, if the storm water discharge to a monitored receiving water or from a monitored outfall has begun at or prior to the accumulation, or
 (b) the beginning of any storm water discharge to a monitored receiving water or from a monitored outfall, if the discharge begins after the accumulation of the minimum amount of rainfall for the qualifying event.
 (2). However, where manual and automatic sampling are impossible (as defined in this permit), or are beyond the permittee's control, the permittee shall take samples as soon as possible, but in no case more than twelve (12) hours after the beginning of the storm water discharge.
 (3). Sampling by the permittee shall occur for the following events: (a). For each area of the site that discharges to a receiving stream, the first rain event that reaches or exceeds 0.5 inch and allows for monitoring during normal business hours* (Monday thru Friday, 8:00 AM to 5:00 PM and Saturday 8:00 AM to 5:00 PM, excluding all non-working Federal holidays, when construction activity is being conducted by the primary permittee) that occurs after all clearing and grubbing operations have been completed in the drainage area of the location selected as the sampling location;
 (b). In addition to (a) above, for each area of the site that discharges to a receiving stream, the first rain event that reaches or exceeds 0.5 inch and allows for monitoring during normal business hours* that occurs either 90 days after the first sampling event or after all mass grading operations have been completed in the drainage area of the location selected as the sampling location, whichever comes first; (c). At the time of sampling performed pursuant to (a) and (b) above, if BMPs are found to be properly designed, installed and maintained, no further action is required. If BMPs in any area of the site that discharges to a receiving stream are not properly designed, installed and maintained, corrective action shall be defined and implemented within two (2) business days, and turbidity samples shall be taken from discharges from that area of the site for each subsequent rain event that reaches or exceeds 0.5 inch during normal business hours* until the selected turbidity standard is attained, or until post-storm event inspections determine that BMPs are properly designed, installed and maintained; and
 (d). Existing construction activities, i.e., those that are occurring on or before the effective date of this permit, that have met the sampling required by (a) above shall sample in accordance with (b). Those existing construction activities that have met the sampling required by (b) above shall not be required to conduct additional sampling other than as required by (c) above.
 *Note that the permittee may choose to meet the requirements of (a) and (b) above by collecting turbidity samples from any rain event that reaches or exceeds 0.5 inch and allows for monitoring at any time of the day or week. 7. Non-storm water discharges. Except for flows from fire fighting activities, sources of non-storm water listed in Part III.A.2. of this permit that are combined with storm water discharges associated with construction activity must be identified in the Plan. The Plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

E. REPORTING

1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

2. ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:

- A. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS;
- B. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
- C. THE DATE(S) ANALYSES WERE PERFORMED;
- D. THE TIME(S) ANALYSES WERE INITIATED;
- E. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;
- F. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;
- G. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS;
- H. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND
- I. CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.

3. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI. IF AN ELECTRONIC SUBMITTAL IS PROVIDED BY EPD THEN THE WRITTEN CORRESPONDENCE MAY BE SUBMITTED ELECTRONICALLY; IF REQUIRED, A PAPER COPY MUST ALSO BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL OF SIMILAR SERVICE.

F. RETENTION OF RECORDS.

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:
 A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
 B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
 C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;
 D. A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
 E. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT;
 F. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT; AND
 G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(1)(C) OF THIS PERMIT.
 2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

For stand alone projects that begin construction activity after the effective date of this permit, the primary permittee must retain the design professional who prepared the Erosion, Sedimentation and Pollution Control Plan, except when the primary permittee has requested in writing and EPD has agreed to an alternate design professional, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs which the design professional designed within seven (7) days after installation. The design professional shall determine if these BMPs have been installed and are being maintained as designed. The design professional shall report the results of the inspection to the primary permittee within seven (7) days and the permittee must correct all deficiencies within two (2) business days of receipt of the inspection report from the design professional unless weather related site conditions are such that additional time is required.

DESIGN PROFESSIONAL _____ DATE 10-8-13
 000003426
 LEVEL II CERTIFICATION NO.

PROJECT DESCRIPTION
 THIS PROJECT IS 100% IN COBB COUNTY AND IS 100% IN CONS. DIST NO. II

GRADING RECORD
 A GRADING RECORD MUST BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE DURATION OF CONSTRUCTION. GRADING REFERENCED IN GAR 100001 PART IV.D.2.a.(1)(a) AND (b).

GRADING ACTIVITIES	STABILIZATION ACTIVITIES		
	DESCRIPTION OF ACTIVITY	START	STOP
GRADING			

NPDES ACKNOWLEDGMENT SIGNATURE
 "I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, provides for the sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR 100001."
 "I certify under penalty of law that this Plan was prepared after a site visit to the locations described herein by myself or my authorized agent, under my supervision."

 X

PRIMARY PERMITTEE
 City of Marietta, GA
 JIM WILGUS
 P.E. CITY ENGINEER
 770-744-5648

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that certified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

 SIGNATURE DATE

BDG Group
 Landscape Architecture
 3330 Sandy Creek Road
 Madison, GA 30650 PH 706-342-3217



City of Marietta
 Department of Public Works
 205 Lawrence Street Marietta, Georgia 30060

DESIGNED BY: EBG	CHECKED BY: EBG	DATE: 05-04-2016
DRAWN BY:	REVIEWED BY:	DATE:

DATE	REVISIONS
05-04-2016	RELEASED FOR CONSTRUCTION

Atherton Square
 CS 1107/Mill St., CS 1322 McNeel Alley and Atherton Square at 3 locations
 Land Lot 1218, 16th District, 2nd Section

EROSION SEDIMENTATION AND POLLUTION CONTROL NPDES NOTES

DRAWING No. **51-4**

MATERIAL	RATE	DEPTH
STRAW OR HAY	-	2" TO 4"
WOOD WASTE, CHIPS, SAWDUST, BARK	-	2" TO 3"
CUTBACK ASPHALT	1200 GAL/ACRE, 1/4 GAL/SQ. YD. OR SEE MANUFACTURER'S RECOMMENDATIONS	-
POLYETHYLENE FILM	SECURE WITH SOIL ANCHORS, HEIGHTS	-
GEOTEXTILES, LITE MATTINGS, NETTINGS, ETC.	SEE MANUFACTURER'S RECOMMENDATIONS	-

MULCHING REQUIREMENTS Ds1
 SCALE:NTS

SPRAY-ON ADHESIVE APPLICATION REQUIREMENTS Ds2

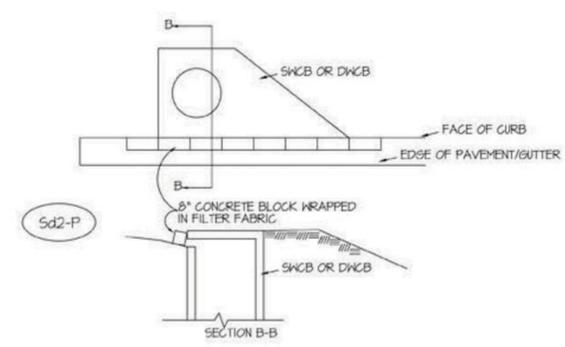
ADHESIVE	WATER DILUTION	NOZZLE TYPE	APPLICATION (GAL/ACRE)
ANIONIC ASPHALT EMULSION	7:1*	COARSE SPRAY	1200
LATEX EMULSION	12.5:1*	FINE SPRAY	235
RESIN-IN WATER EMULSION	4:1*	FINE SPRAY	300

*USE MANUFACTURER'S RECOMMENDATIONS WHEN AVAILABLE

FERTILIZER REQUIREMENTS Ds2, Ds3

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. COOL SEASON GRASSES	First	6-12-2	1500 lbs./ac.	6-12-12
	Second Maintenance	6-12-2 10-10-10	1000 lbs./ac. 400 lbs./ac.	6-12-12 10-10-10
2. COOL SEASON GRASSES AND LEGUMES	First	6-12-2	1500 lbs./ac.	6-12-12
	Second Maintenance	6-12-2 10-10-10	1000 lbs./ac. 400 lbs./ac.	6-12-12 10-10-10
3. GRASS COVERS	First	12-10-10	1500 lbs./ac.	10-10-10
	Second Maintenance	10-10-10	1000 lbs./ac. 100 lbs./ac.	10-10-10 10-10-10
4. FINE SEEDLINGS	First	20-10-5	one 21-gram pellet per seedling placed in the cloning hole	20-10-5
5. SHRUB LESPEDEZA	First	0-10-10	700 lbs./ac. 4/	0-10-10
	Maintenance	0-10-10	700 lbs./ac. 4/	0-10-10
6. TEMPORARY COVER CROPS SEEDED ALONE	First	10-10-10	500 lbs./ac.	10-10-10
7. WARM SEASON GRASSES	First	6-12-2	50-100 lbs./ac. 2/ 6/	6-12-12
	Second Maintenance	6-12-2 10-10-10	50-100 lbs./ac. 2/ 50 lbs./ac.	6-12-12 10-10-10
8. WARM SEASON GRASSES AND LEGUMES	First	6-12-2	50 lbs./ac. 6/	6-12-12
	Second Maintenance	6-12-2 10-10-10	50 lbs./ac. 6/	6-12-12 10-10-10

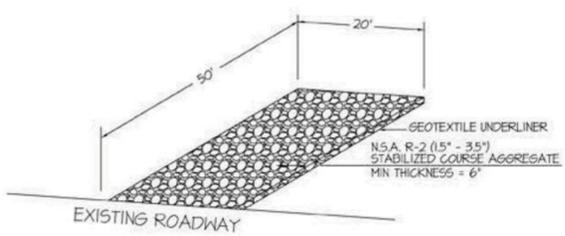
1/ APPLY IN SPRING FOLLOWING SEEDING.
 2/ APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED.
 3/ APPLY IN 3 SPLIT APPLICATIONS.
 4/ APPLY WHEN PLANTS ARE TRUNKED.
 5/ APPLY TO GRASS SPECIES ONLY.
 6/ APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.



CURB INLET FILTER
 SCALE:NTS

THE TRAP SHALL BE INSPECTED DAILY AND AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
 SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE TRAP.
 SEDIMENT SHALL BE REMOVED FROM CURB INLET PROTECTION IMMEDIATELY. FOR EXCAVATED INLET SEDIMENT TRAPS, SEDIMENT SHALL BE REMOVED WHEN ONE-HALF OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST TO SEDIMENT ACCUMULATION. SOD INLET PROTECTION SHALL BE MAINTAINED AS SPECIFIED IN Ds4-DISTURBED AREA STABILIZATION (WITH SODDINGS).

SEDIMENT SHALL NOT BE WASHED INTO INLET. IT SHALL BE REMOVED FROM THE SEDIMENT TRAP AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLET, AGAIN.
 WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, ALL MATERIALS AND ANY SEDIMENT SHALL BE REMOVED, AND EITHER SALVAGE OR DISPOSED OF PROPERLY.
 THE DISTURBED AREA SHALL BE BROUGHT TO PROPER GRADE, THEN SMOOTHED AND COMPACTED. APPROPRIATELY STABILIZE ALL DISTURBED AREAS AROUND THE INLET.



CONSTRUCTION EXIT
 SCALE:NTS

WIDTH = FULL WIDTH OF VEHICULAR ACCESS
 STONE SIZE = 1 1/2" TO 3 1/2" DIA. (USE #1 STONE)
 PROVIDE PERIODIC TOP DRESSING WITH 2" STONE AS NECESSARY
 INSTALL GEOTEXTILE UNDERLINER

MAINTENANCE

THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY.
 THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5-3.5 INCH STONE, AS CONDITIONS DEMAND, AND AND/OR CLEANOUT OF ANY STRUCTURES TO TRAP SEDIMENT.
 ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

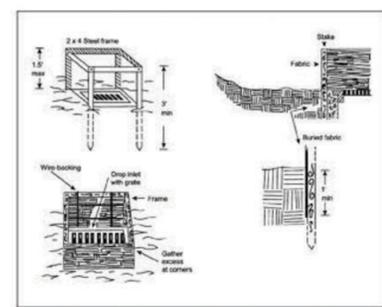
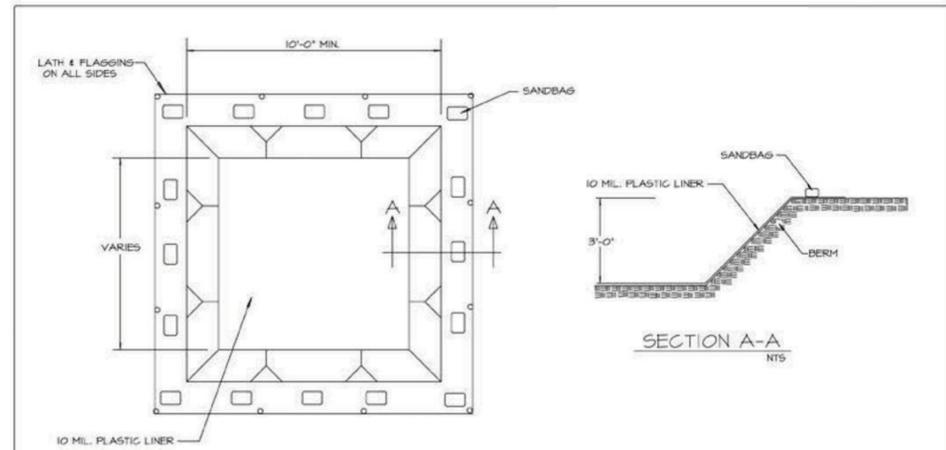


Figure 6-21.1 - Fabric and Supporting Frame for Inlet Projection

INLET SEDIMENT TRAP
 SCALE:NTS

*EXCAVATING AROUND A STORM DRAIN DROP INLET TO CATCH TOPSOIL AND SEDIMENT.
 *SEDIMENT PRODUCTIONS AREA LESS THAN OR EQUAL TO 1 ACRE.
 *STORAGE CAPACITY = 67 YD. /ACRE
 *FLOW LENGTH IS LESS THAN OR EQUAL TO 10 SIDE SLOPE 2:1 OR GREATER



TYPICAL CONCRETE WASHDOWN
 SCALE:NTS

1. THE CONTRACTOR MUST PROVIDE A DESIGNATED AREA FOR CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, AND THE REAR OF THE VEHICLES. THIS AREA MUST HAVE A CONCRETE WASHOUT FACILITY AND SHALL BE CONSTRUCTED ACCORDING TO THE DETAIL SHOWN ABOVE.
2. THE CONCRETE WASHOUT FACILITY SHALL BE LOCATED AT A MINIMUM OF 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES.
3. WASHOUT DISCHARGE FROM THE CLEANING OF CONCRETE TRUCKS, TOOLS, AND OTHER EQUIPMENT SHALL NOT BE DISCHARGED INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.
4. EXCESS CONCRETE SHALL NOT BE DISPOSED OF ON-SITE. ALL EXCESS CONCRETE SHALL BE TRANSPORTED OFF-SITE AND DISPOSED OF PROPERLY.
5. IT IS PROHIBITED TO WASHOUT THE MIXING DRUM OF CONCRETE TRUCKS ON-SITE.

SPECIES	BROADCAST PER ACRE PER 1000 SF	RESOURCE AREA	PLANTING DATES	REMARKS
BARLEY		H, L, F, C	J, F, M, A, M, J, J, A, S, O, N, D	14350 SEED PER POUND. INTERMEDIATE USE ON PRODUCTIVE SOILS.
ALONE IN MIXTURES	44 LBS. 3.5 LBS. 24 LBS.			
LESPEDEZA, ANNUAL		H, L, F, C	J, F, M, A, M, J, J, A, S, O, N, D	200000 SEED PER POUND. MAY VOLUNTARILY FOR SEVERAL YEARS. USE IN REGULAR T.E.
ALONE IN MIXTURES	40 LBS. 0.4 LBS. 10 LBS.			
LOVERGRASS, PERENNIAL		H, L, F, C	J, F, M, A, M, J, J, A, S, O, N, D	500000 SEED PER POUND. MAY LAST FOR SEVERAL YEARS. MIX WITH SENGELA LESPEDEZA.
ALONE IN MIXTURES	4 LBS. 2 LBS. 0.05 LBS.			
MILLET, BROWNTOP		H, L, F, C	J, F, M, A, M, J, J, A, S, O, N, D	87000 SEED PER POUND. MAKE DENSE COVER. HILL PROVIDE 100 NEAR CORNERS IN MIXTURES. P SEEDS AT HIGH RATES.
ALONE IN MIXTURES	40 LBS. 0.4 LBS. 10 LBS.			
RYE		H, L, F, C	J, F, M, A, M, J, J, A, S, O, N, D	18000 SEED PER POUND. MAKE DENSE COVER. ENOUGH TOURNAMENT AND INTERMEDIATE.
ALONE IN MIXTURES	3 BU 3/4 LBS. 1/2 BU 0.6 LBS.			
RYEGRASS, ANNUAL		H, L, F, C	J, F, M, A, M, J, J, A, S, O, N, D	275000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE AND IS NOT TO BE USED IN MIXTURES.
ALONE	50 LBS. 0.4 LBS.			

H, L REPRESENTS MOUNTAIN, BLUE RIDGE, AND RIDGES AND VALLEYS HURAS
 C REPRESENTS THE SOUTHERN COASTAL PLAIN, SAND HILLS, BLACK LANDS, AND ATLANTIC COAST. FLATWOODS HURAS

DISTURBED AREA STABILIZATION (TEMP)
 SCALE:NTS

SPECIES	BROADCAST PER ACRE PER 1000 SF	RESOURCE AREA	PLANTING DATES	REMARKS
BENNEA, COMMON HILLED SEED		H, L, F, C	J, F, M, A, M, J, J, A, S, O, N, D	130000 SEED PER POUND. DARK COVER. SUN BURNING AND SOO FORMING. FILL 5/8\"/>
ALONE IN MIXTURES	10 LBS. 0.2 LBS. 6 LBS.			
BENNEA, COMMON HILLED SEED W/ TOP COVER WITH OTHER PERENNIALS		H, L, F, C	J, F, M, A, M, J, J, A, S, O, N, D	PLANT WITH WATER ANNEALS. PLANT WITH TALL RIDGE.
ALONE IN MIXTURES	10 LBS. 0.2 LBS. 6 LBS.			
GENTLEFEED		H, L, F, C	J, F, M, A, M, J, J, A, S, O, N, D	DROUGHT TOLERANT. FILL SUN OR PARTIAL SHADE. EFFICIENT ADJUNCT TO CONG. AND IN CONCENTRATED FLOW AREAS. SEEDING IN WETTED AREAS FULLY ESTABLISHED. DO NOT PLANT NEAR FACTORIES.
BLOCK SOD ONLY				
GRASSWITCH		H, L, F, C	J, F, M, A, M, J, J, A, S, O, N, D	600000 SEED PER POUND. DENSE BROWN DROUGHT TOLERANT AND FIRE RESISTANT. USE FROM NORTH ATLANTA AND NORTHWARD.
WITH WATER ANNEALS OR COOL SEASON GRASSES	5 LBS. 0.3 LBS.			
PERGIE, TALL		H, L, F, C	J, F, M, A, M, J, J, A, S, O, N, D	275000 SEED PER POUND. USE ALONE ONLY ON BETTER SITES. NOT FOR PRODUCE SOILS. NOT FOR READY USE.
ALONE IN MIXTURES	50 LBS. 1 LBS. 30 LBS.			
LESPEDEZA SCARIFIED (UNCLASSIFIED)	60 LBS. 14 LBS. 75 LBS.	H, L, F, C	J, F, M, A, M, J, J, A, S, O, N, D	500000 SEED PER POUND. HEIGHT OF GROWTH IS 8 TO 24 INCHES. ADVANTAGES IN BROWN AREAS. MIX WITH LESPEDEZA, COMMON BROWNEA BARRA, TALL PEGUE, OR OTHER ANNEALS. REGULATE SEED BY B. REGULANT.

H, L REPRESENTS MOUNTAIN, BLUE RIDGE, AND RIDGES AND VALLEYS HURAS
 F REPRESENTS THE SOUTHERN COASTAL PLAIN
 C REPRESENTS THE SOUTHERN COASTAL PLAIN, SAND HILLS, BLACK LANDS, AND ATLANTIC COAST. FLATWOODS HURAS

DISTURBED AREA STABILIZATION (FERM)
 SCALE:NTS

AGRICULTURAL LINE SHALL BE APPLIED AS INDICATED BY SOIL TEST OR AT THE RATE OF 1 TO 2 TONS PER ACRE.

BDG Group
 Landscape Architecture
 3330 Sandy Creek Road
 Madison, GA 30650 PH 706-342-3217



City of Marietta
 Department of Public Works
 205 Lawrence Street Marietta, Georgia 30060

DESIGNED BY: EBG	CHECKED BY: EBG	DATE: 05-04-2016
DRAWN BY:	REVIEWED BY:	DATE:

DATE REVISIONS

05-04-2016	RELEASED FOR CONSTRUCTION

Atherton Square
 CS 1107/Mill St., CS 1322 McNeel Alley and Atherton Square at 3 locations
 Land Lot 1218, 16th District, 2nd Section

EROSION SEDIMENTATION AND POLLUTION CONTROL DETAILS

DRAWING No. **51-5**

DATE: 9-22-2016

P.I. Number 0010703 - Cobb County

DESCRIPTION: ATHERTON SQUARE

BASE BID ITEMS

PAY ITEM NO	UNIT	DESCRIPTION	QUANTITY	UNIT BID AMOUNT IN WORDS	UNIT BID AMOUNT	BID AMOUNT
150-1000	LS	TRAFFIC CONTROL - PI	LS			
210-0100	LS	GRADING COMPLETE	LS			
230-1000	LS	Lump Sum Construction Depot Renovation	LS			
163-0529	LF	SD1-HB	180			
163-0550	EA	SD2-F	7			
163-0550	EA	SD2-P	10			
163-0300	EA	CO-construction entrance	2			
	EA	CW-Concrete washout	1			
668-6112	LF	TRENCH DRAIN-LANDSCAPE DRAIN	76			
668-1100	EA	CATCH BASIN, GP 1	1			
668-4300	EA	STORM SEWER MANHOLE, TP1	1			
668-2100	EA	DROP INLET, GP1	3			
	LF	RELOCATE DROP INLET COVER (FROM PLAZA TO MILL ST)	1			

PAY ITEM NO	UNIT	DESCRIPTION	QUANTITY	UNIT BID AMOUNT IN WORDS	UNIT BID AMOUNT	BID AMOUNT
	LF	6" SCHD 40 PVC	8			
668-6112	LF	STORM DRAIN PIPE, 12IN H-10	88			
441-0104	SY	CONC SIDEWALK, 4 IN	8			
900-0035	SF	BRICK PAVERS-PEDESTRIAN GRAVEL BASE	1024			
900-0035	SF	BRICK PAVERS-PEDESTRIAN CONCRETE BASE	5530			
900-0035	SF	BRICK PAVERS-RESET SALVAGE CONC BASE PEDESTRIAN	2690			
900-0037	SF	CONC PAVERS CONC BASE (MCNEEL ALLEY)	5450			
	SF	GRANITE SETS (AT COOL BEANS STEPS AND SCULPTURE BASE)	1024			
	SF	4" GRANITE PAVING	1297			
	SF	6" SLABS (AT LUMPKIN 31 MILL ST ENTRANCE)	56			
	SF	GRANITE PAVING WITH SALVAGED SLABS	420			
437-1350	LF	STRAIGHT GRANITE, CURB 5 IN x 23 IN, TPC	260			
611-5280	LF	RESET GRANITE CURB	586			
441-4050	LF	VALLEY GUTTER	50			
441-4124	LF	CONCRETE GUTTER (AT CURB EXTENSION)	60			
439-0116	LF	CONC REINF CONC PVMT C1 HES CONC, 12" THK	57			

PAY ITEM NO	UNIT	DESCRIPTION	QUANTITY	UNIT BID AMOUNT IN WORDS	UNIT BID AMOUNT	BID AMOUNT
	LS	STONE WALL (AT TRANSFORMER)	LS			
	LF	GRANITE COPING-RAMP	12			
	SFF	CMU AT RAMP	64			
611-	EA	RESET EXISTING BOLLARDS	13			
900-0526	EA	NEW BOLLARDS	3			
702-0170	EA	ACUBA JAPONICA 3 GAL	8			
702-0358	EA	CEPHALOTAXIS HARRINGTONIA VAR DRUPACEA PROSTRATA, 3 GAL.	32			
702-0358	EA	ILEX CORNUTA - 'NEEDLEPOINT', 3 GAL.	80			
702-0560	EA	LIRIOPE MUSCARI 'BIG BLUE'	797			
702-0610	EA	LOROPETALUM CHINENSE - 'RUBY', 3 GAL.	23			
702-0950	EA	RHODODENDRON X ENCORE - 'AUTUMN SUNBURST', 3 GAL.	16			
702-0977	EA	RHAPHIOLEPSIS INDICA - 'CLARA', 3 GAL.	36			
702-0708	EA	OSMANTHUS FRAGRANS, 5 GAL.	1			
702-1082	EA	ULMUS PARVIFLORA, 4" CAL. INSTALLATION AND WARRANTY ONLY	5			
702-1082	EA	ULMUS PARVIFLORA, 6" CAL. INSTALLATION AND WARRANTY ONLY	8			

PAY ITEM NO	UNIT	DESCRIPTION	QUANTITY	UNIT BID AMOUNT IN WORDS	UNIT BID AMOUNT	BID AMOUNT
708-1000	CY	PLANT TOPSOIL	40			
702-9025	SY	LANDSCAPE MULCH	70			
708-1000	EA	SILVA CELL	128			
754-4000	EA	WASTE RECEPTACLE UNIT	2			
754-5000	EA	BENCH	2			
754-6000	EA	BIKE RACK	2			
766-7020	LS	IRRIGATION - DESIGN/BUILD BY CONTRACTOR (INCLUDES SLEEVING PLAN29-15)	LS			
681-4120	EA	LIGHTING STD., 12 FT MH POST TOP	6			
681-3600	EA	LIGHT AND FOOTING WITH WIRING (NEW PLAZA LIGHTS)	2			
610-6605	EA	REMOVE LIGHTING STANDARD	2			
611-5480	EA	RESET LIGHTING STANDARD	2			
611-6900	EA	TREE UPLIGHTS	16			
	EA	OUTLETS IN NEW PLAZA LIGHTS	2			
682-9020	EA	ELECTRICAL JUNCTION BOX	1			
643-8300	LF	ORNAMENTAL FENCE	229			
	LF	STEEL GUARDRAIL AT TRANSFORMER	68			

PAY ITEM NO	UNIT	DESCRIPTION	QUANTITY	UNIT BID AMOUNT IN WORDS	UNIT BID AMOUNT	BID AMOUNT
	LF	STEEL GUARDRAIL-(31 MILL ST.)	26			
515-2015	LF	GALV STEEL PIPE HANDRAIL -	27			
643-8400	LF	FENCE, SPECIAL DESIGN	34			
	EA	DECORATIVE STREET SIGN POLE AND FRAME	4			
	EA	FRAME INSTALLED ON EXISTING POLE	6			
611-5420	EA	RESET HISTORIC MARKER, STONE	1			
		TOTAL				

ALTERNATE						
702-9025	SY	STRUCTURAL SOIL	230			
		ALTERNATE TOTAL				